GOVERNMENT OF INDIA
ENVIRONMENT AND FORESTS
LOK SABHA

STARRED QUESTION NO:489
ANSWERED ON:27.08.2001
INTEGRATED AFFORESTATION ECO-DEVELOPMENT PROJECT SCHEME
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Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether the Integrated Afforestation and Eco-Development Project Scheme for afforestation of coastal areas of the country is under implementation to form a shelterbelt with a view to reduce impact of cyclones;

(b) if so, the details of the scheme; (

(c) the total area proposed to be covered under the scheme, State-wise; and

(d) the total amount allocated, released, and spent so far under the scheme, State-wise?

Answer

MINISTER OF ENVIRONMENT AND FORESTS (SHRI T.R. BAALU)

(a) Yes, Sir.

(b) The scheme envisages plantation in rows along the coastline to create a shelterbelt for checking soil erosion and sand ingress for protection of agricultural fields, homesteads, roads etc.

(c) to (d) A statement is laid on the Table of the House.

Annexure

Statement referred to in respect of Parts (b) to (d) of Lok Sabha Starred Question No.489 due for reply on 27.08.2001

Statement showing state-wise Physical and Financial details of projects under Coastal Shelterbelt Plantations under Integrated Afforestation and Eco-Development project Scheme during 9th Plan

(Amount Rupees in lakhs and Area in Hectare)

1	Andhra Pradesh	2050	472.44	184.96	79.76
2	Gujarat	3900	415.00	293.25	145.45
3	Karnataka	200	55.58	35.45	13.86
4	Kerala	1000	408.59	99.51	55.28
5	Orissa	8000	1488.51	441.09	100.74
6	Pondicherry	448	90.32	20.12	0.00
7	Tamil Nadu	1000	308.70	84.55	9.58
8	West Bengal	150	30.02	18.16	6.06
	Total	16748	3269.16	1177.09	410.73

Day`s Sl.No.10

Note for Supplementaries of Lok Sabha Starred Question No.489 due for reply on 27th August, 2001.

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Annexures

1. The Orissa Forest (Management of Coastal Shelter Belt Plantation raised on private Lands) Rules, 1980

2. Break-up of Coastal Shelterbelt Plantation Scheme Year and State wise

3. Details of the `Conservation and Management of Mangroves Scheme`

Purport of the Question

The Question seeks information about the details of Coastal Shelterbelt Plantations raised along the coastline of different states with a view to reduce impact of cyclones.

POSSIBLE SUPPLEMENTARIES & ANSWERS

Coastal Shelterbelt Plantation Project

1. What is Coastal Area ?

As defined in Coastal Regulation Zone Notification, Coastal Area is a transitional strip of land and sea that straddles the coastline and contains some of the most productive and valuable habitats of the biosphere, including estuaries, lagoons, seagrass beds, coastal wetlands, marshes, mangrove forests and coral reefs.

2. Coastal States

Coastal States are Gujarat, Maharashtra, Goa, Karnataka, Kerala, Tamil Nadu, Pondicherry, Andhra Pradesh, Orissa, West Bengal, Andaman & Nicobar Islands and Lakshadweep.Total length of the coastline is 8082 Kms. Statewise length of coastal line are as follows :-

States	Length (in Kms)
Gujarat	1600
Maharashtra	720
Goa	120
Karnataka	290
Kerala	590
Tamil Nadu	900
Pondicherry	45
Andhra Pradesh	1035
Orissa	480
West Bengal	210
A&N Islands	1960
Lakshadweep Islands	132
Total	=SUM(ABOVE) 8082

3. What is Shelterbelt ?

Shelterbelt is a belt of plantation along the coastline to prevent soil erosion and inward sand drift due to high velocity winds. It protects cultivated fields, gardens, houses and homesteads along the coastline. The present shelterbelt plantations programme under consideration excludes mangrove plantations.

4. What are the objectives of Shelterbelt Plantation Scheme ?

Short Term Objectives

- Checking soil erosion and inward sand drift along the coasts and thereby protecting cultivated fields, gardens, houses and homesteads adjoining the coast.
- Regeneration of degraded forest lands, non-forest government lands and private lands in coastal area.
- Development of special problem saline lands.
- Employment Generation.
- Augmentation of availability of small timber, firewood and fodder etc for the local population.
- People`s participation in eco-regeneration of coastal area.

Long Term Objectives

- Ecological restoration of fragile ecosystems of coastal area, littoral and swamp forests.
- Mitigation of damages to the cultivated fields, gardens and houses due to periodic cyclones.

5. Which are the Coastal Districts where the Coastal Shelterbelt Plantation Scheme is being implemented ?

States	Districts
Gujarat	Kutch, Jamnagar, Junagarh, Amreli, Bhavnagar & Ahmedabad
Karnataka	Kanara (S), Uddupi & Kanada (U)
Kerala	Thiruvananthapuram, Kollam, Kannur, Alappuzha, Ernakulam, Thrissur, Malappuram Kozhikode & Kasaragod
Tamil Nadu	Chennai, Dharmapuri, Trichy & Virudhurnagar
Pondicherry	Pondicherry, karaikal, Yanam & Mahe Circles
Andhra Pradesh	Srikakulam, Vijayanagram, Krishna, Guntur & Nellore
Orissa	Puri, Ganjam Balasore, Kendrapara, Jagatsinghpur, Bhadrak
West Bengal	Kharagpur

6. Whether Coastal Shelterbelt Plantation is allowed to be carried out on Private Lands ?

Primarily, the plantation is to be taken-up on degraded forest land and non-forest Government land. However, as agreed, in the National Ministerial Conference held on 29-30 January, 2001 at Coimbatore (commonly known as Coimbatore Charter), if private land falls between forest land and non-forest Government land, the State Government may take-up such land to maintain continuity of the shelterbelt. While taking-up private land, the State Government have to make suitable agreements with private land owners to safeguard Government interest on the pattern of arrangements done by Orissa State Government.Orissa Government has formulated `the Orissa Forest ( Management of Coastal Shelterbelt Plantation raised on private lands) Rules, 1980.`As per this Rule, land owner may intimate the concerned Divisional Forest Officer, his willingness to spare his land for raising shelterbelt plantations and then an agreement is executed between land owner and the Divisional Forest Officer. The Divisional Forest Officer raises the plantation and

takes necessary steps for protection and management of plantation. All the expenditure is borne by the State Government and the land owner is entitled to enjoy usufructs in case of fruit bearing trees of such plantation and also entitled to get a share of 50% of the net income accrued from the plantation when felled and harvested. The net income accrued from the plantation at felling or harvesting is calculated after deducting the cost of plantation and its maintenance.

A copy of the said Rule is enclosed at Annexure I

7. Whether the Coastal Shelterbelt Plantation Scheme will be continued in the X Five Year Plan ?

Yes, though most of the afforestation schemes of Ministry of Environment & Forests is going to be converged into a single scheme to be implemented through Forest Development Agencies, the Coastal Shelterbelt Plantation Scheme will continue as separate scheme in the X Plan.

8. What are the species planted under the Coastal Shelterbelt Plantation Scheme ?

Casuarina, Palmyra, Coconut, Cashewnut, Eucalyptus, Acacias, Leucaena, Erythrina, Teak, Ficus, Padauk, Thespesia, Hibiscus, etc. are the main species taken-up.

9. Funding Pattern & Cost Norm

This is a 100% Centrally Sponsored Schemes and the cost norm is the same as that of other Centrally Sponsored Afforestation Schemes operated by the Ministry of Environment & Forests.It varies from State to State because every State has different minimum wages. However, for a wage-rate of Rs.50/- the cost of plantation per ha. including all activities, like soil and moisture conservation, joint forest management, micro-planning, entry point activities etc is Rs.17,100/-

10. Activities undertaken under the Coastal Shelterbelt Plantation Scheme

The nature of activities includes raising of nursery, preparing the site for plantation, planting, soil and moisture conservation, awareness raising, micro-planning, joint forest management, entry point activities, watering the plants, maintenance of plantations etc.

11. Break-up of Coastal Shelterbelt Plantation Scheme year wise and State wise.

Details are enclosed at Annexure II

12. Which are the States where the Scheme is not under implementation ?

State of Maharashtra and Union Territories of Lakshadweep and Andaman & Nicobar Islands.State of Maharastra has informed that suitable land is not available for taking-up the scheme. No proposals were received from Union Territories of Lakshadweep and Andaman & Nicobar Islands.

13. Is there any other Centrally Sponsored Scheme which serves the same purpose ?

There is a scheme on `Conservation and Management of Mangroves` for tackling potential area of 83,000 ha. for afforestation of mangroves on the east and west coasts of the country. The details of the scheme is enclosed at Annexure III.